No. 247.—Fourteenth Edition.

LIST

OF

BULLETINS AND CIRCULARS

ISSUED BY THE

U. S. DEPARTMENT OF AGRICULTURE

AND AVAILABLE FOR

FREE DISTRIBUTION

IN THE UNITED STATES.

Corrected to April 1, 1906.

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United States Department of Agriculture.

DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., *April 1, 1906.*

Copies of the publications in the accompanying list will be sent free, so long as the editions permit, on application to the Secretary of Agriculture, Washington, D. C. Applications for Farmers' Bulletins may also be sent to Senators, Representatives, and Delegates in Congress, each of whom has a quota of several thousand copies for distribution among constituents. Applications from residents in foreign countries should be sent to Superintendent of Documents, Government Printing Office, Washington, D. C.; price per copy 6 cents, including postage.

The Farmers' Bulletins and Circulars of Information issued by the U. S. Department of Agriculture are printed in large editions and are for free distribution, the object being to supply farmers and others interested in agriculture and kindred subjects with condensed and practical information. It is expected, however, that applicants will ask for only such publications as are likely to be of special interest to them, and not with a view to getting complete sets, which might embrace many bulletins and circulars of no use to them, but which would be of great value to some one else. If applicants will bear this fact in mind, they will greatly aid the Department in its efforts to make the widest and at the same time the most useful distribution of its publications.

GEO. WM. HILL,
Editor and Chief.

BULLETINS AND CIRCULARS FOR FREE DISTRIBUTION.

FARMERS' BULLETINS.

No. 22, second revision.—The Feeding of Farm Animals. Pp. 40.

CONTENTS: Principles of feeding—Composition of the animal body—Composition and digestibility of feeding stuffs—Feeding standards for different kinds of animals—Calculation of rations—Selection of feeding stuffs—Preparation of food for animals—Feeding for fat and for lean—Wheat as a food for animals—Table showing composition of feeding stuffs.

No. 24.—Hog Cholera and Swine Plague. Pp. 16.

CONTENTS: General characters—Symptoms—Appearance on post-mortem examination—The cause of these diseases—Diagnosis and prognosis—Formula for remedy for hog cholera and swine plague—Prevention of disease by proper breeding and feeding.

No. 25.—Peanuts: Culture and uses. Pp. 24, fig. 1.

CONTENTS: Description and history—Composition—Varieties—Climate and soil suitable for peanut culture—Manuring—Culture—Harvesting—Uses.

No. 27.—Flax for Seed and Fiber in the United States. Pp. 16.

CONTENTS: Can both seed and fiber be saved?—Soil selection and preparation—Fertilizing—Rotation—Kind and quantity of seed to sow—Weeds—Harvesting the fiber—Saving the seed—Retting the straw—The "American practice."

No. 28, revised.—Weeds: And How to Kill them. Pp. 32, figs. 11.

CONTENTS: General methods of eradicating weeds—List of weeds attracting special attention during 1894—Table of one hundred weeds.

No. 29.—Souring of Milk and Other Changes in Milk Products. Pp. 23.

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No. 30.—Grape Diseases on the Pacific Coast. Pp. 15, figs. 3.

CONTENTS: California vine disease—Powdery mildew—Coulure.

No. 32, revised.—Silos and Silage. Pp. 32, figs. 6.

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No. 33.—Peach Growing for Market. Pp. 24, figs. 21.

CONTENTS: Where peaches can be grown—Planting within easy reach of large markets—Extent of peach lands in the United States—Planting and cultivation of the orchard—Pruning—Fertilizers—Fungous diseases and insect pests—Spraying, washing, etc.—Picking and marketing the fruit—Gluts in the market—Hindrances to profitable peach culture.

No. 34.—Meats: Composition and Cooking. Pp. 29, figs. 4.

CONTENTS: Animal and vegetable foods compared—Structure, composition, texture (toughness), flavor, and digestibility of meats—The cooking of meats—Cuts of meats—Fuel value of meats.

No. 35.—Potato Culture. Pp. 24, figs. 2.

CONTENTS: Soil and rotation—Manuring—Varieties—Time to cut seed potatoes—Quantity of seed potatoes per acre—Weight and number of eyes per set—Number of cuttings and stalks per hill—Cultivation—Mulching—Harvesting and storing—Second-crop potatoes.

No. 36.—Cotton Seed and Its Products. Pp. 16.

CONTENTS: Cotton seed—Method of manufacturing cotton-seed products—Cotton-seed oil, meal, and hulls—Cotton-seed-hull ash—Feeding cotton-seed products to farm stock—Effect on health of animals.

No. 37.—Kafir Corn: Characteristics, Culture, and Uses. Pp. 12, fig. 1.

CONTENTS: Varieties—Soils and climate—Preparation of the soil—Methods of seeding—Cultivation and harvesting—Yield—Composition—Practical feeding tests.

No. 39.—Onion Culture. Pp. 31, figs. 3.

CONTENTS: Selection and preparation of soil—Fertilizing—Seed and varieties—Growing onions from sets and from seeds sown in the field—Transplanting—Cultivation and weeding—Irrigation—Harvesting—Storing—Production of seed—Two important enemies of the onion.

No. 41.—Fowls: Care and Feeding. Pp. 24, figs. 4.

CONTENTS: Site for building and yards—Construction of houses—Perches, nests, drinking fountains, dust boxes, etc.—Breeds and breeding—Feeding—Brooders and incubators—Diseases and lice—Dressing and shipping.

No. 42, revised.—Facts about Milk. Pp. 32, figs. 8.

CONTENTS: The dairy industry—Composition and causes of variation in milk—Difficulties in obtaining pure milk—Changes in milk—Care of milk—Detecting impure milk—Town and city milk supply.

No. 43.—Sewage Disposal on the Farm and the Protection of Drinking Water. Pp. 20, figs. 8.

CONTENTS: Methods of disposal of different kinds of sewage—Protection of drinking water—Ways of contamination of water—Construction of wells.

No. 44, revised.—Commercial Fertilizers: Composition and Use. Pp. 35.

CONTENTS: Need of commercial fertilizers—Fertilizer requirements of different soils and crops—Forms, sources, and composition of fertilizing materials—Agricultural vs. com-

mercial value of fertilizers—Purchase of fertilizers and conditions under which they may be properly used—Kinds to use—How to apply.

No. 46.—Irrigation in Humid Climates. Pp. 27, figs. 4.

CONTENTS: The advantages of an abundant supply of soil moisture—The rainfall of the growing season in the United States is insufficient for maximum yield—Extent of irrigation in the humid parts of Europe—The rainfall of Europe and the eastern United States compared—Fertilizing value of irrigation waters—Lands best suited to irrigation in humid climates—Methods of obtaining water for irrigation—The construction of reservoirs—Methods of applying irrigation water.

No. 47.—Insects Affecting the Cotton Plant. Pp. 32, figs. 18.

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No. 48.—The Manuring of Cotton. Pp. 16.

CONTENTS: The draft of the cotton plant upon the fertility of the soil—Experiments in the manuring of cotton.

No. 49.—Sheep Feeding. Pp. 24.

CONTENTS: Feeding breeding ewes—Feeding lambs intended for breeding purposes—Feeding lambs for market.

No. 51, revised.—Standard Varieties of Chickens. Pp. 48, figs. 42.

CONTENTS: Classification of chickens—Description of forty-four varieties, giving their respective points of superiority and general utility.

No. 52, second revision.—The Sugar Beet. Pp. 48, figs. 24.

CONTENTS: Climatic conditions affecting the growth of the sugar beet—The theoretical sugar-beet belt of the United States—Growth of beets on irrigated lands—Varieties of beets—Soils—Fertilization—Precautions to be observed in applying stable manure—Preparation of the land for planting—Planting—Cultivation—Cost of growing beets—Harvesting—Siloing—Domestic production of beet seed—Comparative value of domestic and foreign-grown seed—Manufacture of sugar—Home consumption of sugar—Waste products—Cost of manufacture—Cost of factory—Cooperative factories—Statistical information.

No. 54, revised.—Some Common Birds in Their Relation to Agriculture. Pp. 48, figs. 22.

CONTENTS: The cuckoos—The woodpeckers—The kingbird—The phœbe—The blue-jay—The crow—The bobolink, or rice bird—The red-winged blackbird—The meadow lark, or old field lark—The Baltimore oriole—The crow blackbird—The sparrows—The rose-crested grosbeak—The swallows—The cedarbird—The catbird—The brown thrasher—The house wren—The robin—The bluebird.

No. 55, revised.—The Dairy Herd: Its Formation and Management. Pp. 31.

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No. 56.—Experiment Station Work—I. Pp. 31, figs. 10.

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No. 58, revised.—The Soy Bean as a Forage Crop. With an Appendix on Soy Beans as Food for Man. Pp. 24, figs. 5.

CONTENTS: General characteristics and origin—Varieties—Methods of culture—Harvesting—Yield—Chemical composition—Digestibility—Value and uses—Appendix: Soy beans as food for man.

No. 59, revised.—Bee Keeping. Pp. 47, figs. 19.

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No. 60, second revision.—Methods of Curing Tobacco. Pp. 16.

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No. 61.—Asparagus Culture. Pp. 40, figs. 17.

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No. 62.—Marketing Farm Produce. Pp. 28, figs. 7.

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No. 66, revised.—Meadows and Pastures: Formation and Cultivation in the Middle Eastern States. Pp. 28, figs. 9.

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No. 120.—The Principal Insects Affecting the Tobacco Plant. Pp. 32, figs. 25.

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No. 121, revised.—Beans, Peas, and Other Legumes as Food. Pp. 32, figs. 10.

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Circular No. 68.—The Tobacco Thrips and Remedies to Prevent "White Veins" in Wrapper Tobacco (*Euthrips nicotianæ* Hinds). Pp. 6.

Circular No. 71.—House Flies (*Musca domestica* et al.). Pp. 9, figs. 9.

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Circular No. 23, revised edition.—Key to Subject Index of Experiment Station Literature. Pp. 3.

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Circular No. 63.—The Work of the Office of Experiment Stations in Irrigation and Drainage. Pp. 31.

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List of Station Publications Received by the Office of Experiment Stations during September and October, 1905. Pp. 7. (Doc. 847.)

List of Publications of the Office of Experiment Stations on Irrigation and Drainage. Pp. 6. (Doc. 852.)

List of Station Publications Received by the Office of Experiment Stations during November and December, 1905. Pp. 6. (Doc. 858.)

List of Publications of the Office of Experiment Stations on the Food and Nutrition of Man. Pp. 14. (Doc. 865.)

List of Station Publications Received by the Office of Experiment Stations during January and February, 1906. Pp. 8. (Doc. 872.)

BUREAU OF FORESTRY.

Circular No. 15.—Summary of Mechanical Tests on Thirty-two Species of American Woods. Pp. 12.

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Circular No. 22, fourth revision.—Practical Assistance to Tree Planters. Pp. 4.

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Circular No. 26.—Forest Fires in the Adirondacks in 1903. Pp. 15, map.

Circular No. 34.—Practical Results of the Cup and Gutter System of Turpentining. Pp. 7, figs. 5.

Circular No. 35.—Forest Preservation and National Prosperity. Pp. 31.

Circular No. 36.—The Forest Service: What it is and How it Deals with Forest Problems. Pp. 24.

DIVISION OF PUBLICATIONS.

Circular No. 1, revised.—Organization of the Department of Agriculture. Pp. 27. (Corrected to September 1, 1904.)

Same, Revised to October 1, 1905. Pp. 31.

No. 179.—List of Publications of the Department of Agriculture for Sale by the Superintendent of Documents. Pp. 51. (Revised and corrected to March 1, 1906.)

No. 247.—List of Farmers' Bulletins and Circulars of Information Available for Free Distribution in the United States. Pp. 28. (Corrected to April 1, 1906.)

Monthly List of Publications.

This list is issued on the last day of each month and contains the titles of all publications issued by the Department of Agriculture during the month. The Monthly List is mailed regularly to all persons who request to have their names enrolled for that purpose.

OFFICE OF ROAD INQUIRY.

Circular No. 18.—Report of Committee on Legislation, Adopted by the State Good Roads Convention held in Richmond, Va., October 10 and 11, 1895. Pp. 6.

Circular No. 21.—Methods of Constructing Macadamized Roads. Pp. 12.

Extract from a report prepared by the Chief Engineering Inspector of the Local Government Board of Great Britain.

Circular No. 22.—Tennessee Road Circular. Pp. 3.

Circular No. 23.—Money Value of Good Roads to Farmers. Pp. 4.

Circular No. 24.—Highway Maintenance and Repairs. Pp. 16.

Highway taxation; comparative results of labor and money systems; contract system of maintaining roads.

Circular No. 26.—Going in Debt for Good Roads. Pp. 6.

Circular No. 27.—Cost of Hauling Farm Products to Market or to Shipping Points in European Countries. Pp. 12.

Circular No. 30.—Repairs to Macadam Roads. Pp. 14.

Circular No. 32.—State Aid to Road Building in Minnesota. Pp. 12. figs. 5.

Circular No. 35.—Road Improvement in New York. Pp. 15.

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Circular No. 38.—A Study of Rock Decomposition under the Action of Water. Pp. 10.

OFFICE OF THE SECRETARY.

Circular No. 3.—Progress of Southern Agriculture. Pp. 12.

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Circular No. 9.—Collection and Distribution of Grass Seed: Field Work. Pp. 11.

Circular No. 11.—Methods and Benefits of Growing Sugar-Beets. Pp. 27.

Circular No. 13.—Standards of Purity for Food Products. (Superseding Circular No. 10.) Supplemental Proclamation. Pp. 14.

Circular No. 14.—Adulteration of Red Clover and Alfalfa Seed. Pp. 2.

Circular No. 15.—Adulteration of Kentucky Bluegrass and Orchard Grass Seed. Pp. 5.

BUREAU OF SOILS.

Circular No. 3.—The Soils of the Pecos Valley, New Mexico. Pp. 7.

Circular No. 4.—Soils of Salt Lake Valley, Utah. Pp. 11, fig. 1.

Circular No. 5.—Bulk Fermentation of Connecticut Tobacco. Pp. 10.

Circular No. 11.—Reclamation of Alkali Land at Fresno, Cal. Pp. 9.

Circular No. 12.—Reclamation of Alkali Land near Salt Lake City, Utah. Pp. 8, fig. 1.

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Circular No. 15.—Manurial Requirements of the Leonardtown Loam Soil of St. Mary County, Md. Pp. 13.

Circular No. 16.—Manurial Requirements of the Cecil Silt Loam of Lancaster County, South Carolina. Pp. 7.

Circular No. 17.—Manurial Requirements of the Portsmouth Sandy Loam of the Darlington Area, South Carolina. Pp. 10.

BUREAU OF STATISTICS.

Circular No. 1.—Acreage, Production, and Value of Principal Farm Crops in the United States, 1866 to 1895, with Other Data as to Cotton and Wool. Pp. 8.

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Circular No. 6.—Cereal Crops of 1896. Pp. 12.

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DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY.

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Circular No. 18.—A New Wheat Industry for the Semiarid West. Pp. 8, figs. 2.

EXTRACTS.

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366.[a] Animal Breeding and Feeding Investigations by the Bureau of Animal Industry. Pp. 12, pl. 1.

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[a] Reprinted as Circular No. 77, Bureau of Animal Industry.